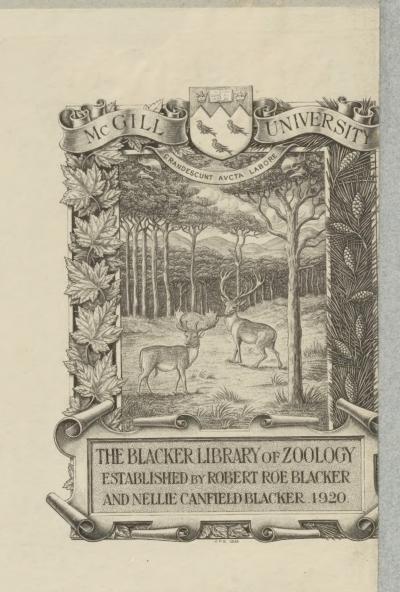


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Dr. F. Christian Lulken University of Copenhagen Zoologist.

Telegrams : - SOLANICINE, LONDON.



SOLAR PHYSICS OBSERVATORY, SOUTH KENSINGTON,

LONDON, S.W.

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Dr F. Christian Lulken University of Copenhagen Zoologist.



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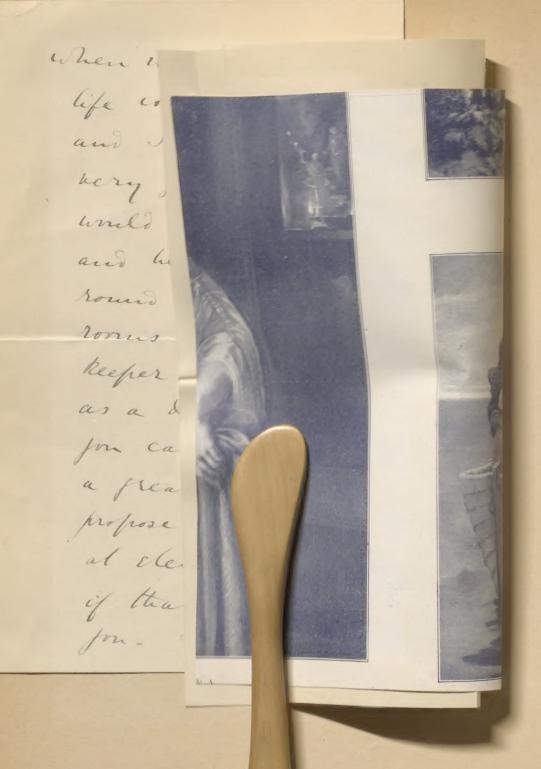


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Professor Edwin Ray Lankester m.h., S.D., J.R.S., born at 22 Old Burlington Street London, May 15. 1844. Linacre Professor of Human \* Comparative Anatomy at Oxford. hor lankester had previously filled the chair as Professor of Zoology & Comparativo Bullomy at University College in London \* for a fortnight was Regues Professor of Hatural History at Eduburgh. He founded the Marine Biological Association en 1884, I was its President Ite is author numerous Scientific Memoirs, amongst others. Thous - graph of the Fishes of the Old. Red Saildstone: "Developmental Itistory of molluxa" Limbers an Arachinid" "Comparative long-- listy: 4c. 4c. 4c. Appointed Director of the natural Itistory museum 29th Sep b 1898.

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Figs. Professor of Geology & Physiography in Burningham unworsety Med the wolaston medul Geological Society 1898. President of the Geological Locaty 1898. 1902-3.



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12 Duckess Road Edgbaston B'hann 24 hov 1891

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Maller and practical Sistory

Geologist, of Scotch extraction, born in 1798, was educated at montreal the humorachy of Edmburgh, entered the public service of the Colonies at an early age. In 1840 was appointed birector general of the geological lurous of Canada. In 1856 he received the honour of knight hood, a was one of the piriors in the Scientific Department of the Site received Edications of 1862. In 1872 he endowed the Chair of geology in In Siell Iniversely Inontreal.

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John Edward Lee F. S.a., F.g. 1 k Geologist + antignary.
Born at mewland, Itule, 21th December 1808. Died at Torquay August 18th 1884. Ite was one of the founders of the monmoulhs hire + Caerleon Antiquarion Society, to the Proceedings of which he frequents Contributed . He also aided in the formation of a Imseum at Carrleon A published an illustrated catalo que of the Roman remains form there. He translated ; Hellers . Lake Dwellings of Switzerland? " merck's Escarations at the Tresslerlock. " & Roemer's Bone cave of ojcow on Poland " no: Lees ollier works are "Roman Imperial Photographs " Roman Imperial Profiles" & the " Frote book of in amature geologist.

Villa Syracusa, Torquay. 26 hely 1884

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Villa Syracusa, Torquay. 24 Jeby 1885

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Professor Joseph Leidy, M.D., d.D. born at Philadelphia, Sep. 9: 1823. Ste is Professor of anato-- my in the university of Pennsyl - varia & of hatwork History in Swarthmore College. He Vis President of the Academy of natural Sciences of Philadelphia among his more important works are "The Extenct mam-- malian Farma of Dakota + Rebraska" " Contributions to the Extinct Vertebrate Farma of the loestern Territories: "Freshwater Pluzopods of north america. " L'au Elemen-- Fary Treatise on Human. Auktory. " Died 1891.

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In reply to grow note of June 2 9 th; in comultation with my griend, In Willery, who is one of the Trutus of the Sutitution for which I am pushasing permens, we have andwel int to purchase the high deferens. Although I was attend by one of my colleagues to province one, we think as we already from a operance in our museum gthe And grat. Freme, or had better reserve The morning for musting else which would be of more remove to me. With Thanks for the trouble you have taken I remain sincerely your Joseph Leidy

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July 3d , 1889.

Professor Joseph Leidy, M.D. dl.D. born at Philadelphia, Sep. 9: 1823. Ste is Professor of anato. - my in the university of Pennsy - varia & of hatwal History in Swarthmore College. Ste Vis President of the Academy of natural Sciences of Philadelphia. among his more important works are "The Estench mam. - malean Farmor of Dakota + nebraska " " Contributions to the Estinct Vertebrate Fanna of the Western Territories: " Freshwater Pluzofwoods of north america. " + "au Elemen-- Lary Treatise on Human Automy. " Died 1891.

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In reply to your note of

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In reply to grow note of June 2 9 th; in comultation with my griend, Mr Willery, who is one of the Trustees of the autitution for which I am purchasing peinens, we have andwhat int to purchase the high deferens. Although I wan atimed by me young colleagues to province one, we think as we already former a sperimen in un museum gthe And. of Met. Freme, we had better reserve The morning for musting when which would be of more remove to me. with Thanks for the trouble you have taken I remain sincerely your Joseph Leidy

Burn Hotel, Zueen Square Blormshung.

20 Regards Park Row London. my Dem him. species apreared of bucker accept or more in length, - The for the us nentral bonders very imperfect in tresting for which a dolled line a cash he for me. much be finen; it is in front to associated with the other shows it lepper Neo Tolkstone tower the your bery to

greek South aprican species J. Herzagii and J. hentricosa The talken himing already him figured form from the Mixeum Collection. I think There is a hame withen Dear ga Wood defin it had here he doubt I posted to 9 tet for will reality fruit Containing hos it as a single l'alue very how your trans imperpula & gigantic in if they arrived dry con I should like a full write. Mi I. Sharp is

sijed figure and if the area and esentetern are not well Leen hiken the lature is land upon its side, then a separate begins to be given of the upper side. I had a water of its sumber in the Collection but cannot an find it. dither to it his only hear biguier by Kranf, a reducer ... very ined eguete figure. a am "quite" as lassed again to trouble you but think That this will be the lash of the things wanted. your very truly, H. Mandwed lage John Lyceth

displain of

sent to you

hime (a



Professor Henry Garvill Lewis,
In. a., F.g. S. Professor of
Geology in Haverfood College,
Pensylvania U.S.

Born at Philadelphia, 16th
hovember 1853 dud at Inan-Cluster July 21th 1888.

Between 1885 + 1888 he was

Engaged in Thidies & original
investigations in Europe & he
Completed a map of the ancient
Glaciers & ice-Sheets of England
Wales & Ireland, He communi
-Cateel a long series of papers
to various american Journals
Chiefly on Glaceal Subjects

GEOLOGICAL SOCIETY,

BURLINGTON HOUSE, W.

novid-

Dear Mudam,

Mr. Dallas has

just handed we a could

frem you asking for my

address. I shale !

Took on Doneday must (address

tright and tomoran morning

with Paf. D. Mck. Hughes. 4 Centra Jenaa. Cambrida.

H. Carvill Leves

54 Higher afna Koad Maucher Seh 25 g

My dear Ris.

forms . yesterday is

just received. It will give

me pleasure to see & you a

short article it accompany the

Glacial Maj. . am 127

husy just now or kield work

the placemen This neighborn

being quite conscionated. Int w

about it is a constant



Professor Henry Garvill Lewis, M. a., F.g. S. Professor of Geology in Haverford College, Pennsylvania U.S.

Born at Philadelphia, 16th hovember 1853 dud at man-Cluster July 21th 1888.

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and find con the acres suid i a m - . c. otter many in the many incluin and ingre will have which am is in call. I will que us Dear should they is lettered ? The , Musul to di in the ere just Coins are noi al attrick of. we du a ain in housies. from the series of the top, is a sine. ile from it is not the 1 110 York I shall endraine : feed that I then and the executing incin time for in time our the I would 4 Cinta in, and it and is not have



yours very truly (f Lindström

Wisby, Sweden & Au, 1874.

Dear Mr Woodward

It lapidary Hr Klinthery,
who cuts my covals and
fubricates a good deal of fine
things for the public in general,
wishes to buy such a cutting
machine as is to be found in
your Museum. The purport
If the present is to request
by your kindness a few words
to your attendant Mr Riley —
who to kindly assisted me — in

Paris, Hôtel Telegraphe, Rue de Strassbourg Nº8 July 2d. 1874

Trav Mr. Wer Sward

In case there is some letter or me in your room, I request for kindly to find them under we direction as above. But if we should be some more letters pter the day you receive this beg you to vinet there?

Marburg-Germany. Poste restante. Y. think My dear Dr Woodward!

and friendly letter, through which I am to highly gratified to find that you and miss woodward like the exe intion of the plates. That the said lary is highly accomplished in the art of traving I was before aware through the plates to our friend Hinde's "Annelid Remains".

told him to bring you my excuses for hurry ing off my letter to; in that way . the Italker to inthe writing to Trabuer.

It is, indeed,

behalf of Ar Klinkberg. Hr. Klinkbergs agent in London. witt see Ur Riley in høpe to get all necessary in formation from him how and where to get such a machine quite complete. Hr Klintberg I think is quite oatisfied to have one at the coat of 8-9 quineas, what as faras I remember. Mr Riley told me a fmallfized one costs. Ar Klinkberg is willing to pag Mr Tiley for all his pains in giving directions or putting the machine in working where and delivering it to

the agent in London. The diamond - dust must of convic have been driven in the edge of the steel-wheel and the controvement for keeping the stones, as also the peculiar kind of oil, employed when lutting must also be fent, The heat thing should be if Mr Riley after the visit if the agent, would kearly. put all things together, as he heatknows where in the different. parti are to be had . to you hope 7 that not atalese much trouble by this request. I enclose the photo of a great Gohland eclebrity of

tu noblest Siturdan lineage

most hund of you to think me worthy of your Prigsby medal, but Jam, alas, past the ultimate limits of life allowed for its Candidates already hen years ago : and still I hope for yet many years to come to retain the same vigour and aptitude for work which I feel in the moments. The rocks of Gotland enormously rich in fine forsits. I and new things every time I visit island. You we a list of the number. jecies in the introduction to my fastro poda, but I am sure, that when such groups as the Cephalopoda or the Autho 2000 what have been worked out, these; as well as others, will be found to contain a much larger amount!

Have you seen a paper by Trop. Ray an kester on the old Red Sunstone fishes of This theoryen, published in the Transactions

of this Academy? He there tries entirely to abolish the whole Devo-

With the best wishes of the senson and the kindest regards

y ving truly G. Lindström

is called the old man of Hoburg" and you plainly discern how his tip, tilted not and pouting lips and wood eye brows signify his superior contempt and origins. I write the state of things in general. He is considered to be very wealthy. but I for one have vainly knoch with my hammer at his cold hard bosom for some of his treasures. There is really a serie of fuiry tales formed round this curious rock pillar, which stands boldly out of the cliff in the southernmost port of Gotlan With kindesh regards G. L. mirtron

you can find them suppaid
else I shall thankfully return
the outlay

In a few days I go back
via Germany. The Collection
via Germany. The Collection
of M. berneid now at 2 Ecole
de Mines is by far the
heat I have seen here
It is indeed in my sich in
valuable things, but es yet
not jub in propor order

yours

huly Gi Lind From. thy dear Dr Woodward !

and friendly letter, through which I am a highly gratified to find that you and his woodward like the exe ention of the plates. That the said lady is highly are regulished in the work of training I was before aware Through the plates to our friend Hinde's "Annelid Remains".

Twrote a hew days age to divide ... (
told him to bring you my vance of for harry
ing off my letter to you in that way. The
Itorhholm publishess are writing to Tribus.

It is, indeed,

Autolog (in Ostrogothia) Sept. 24th, 1876.

My dear Sir.

a place in your Magnetine to the letter here enclosed.

I am , my keer his,

Jours very bruly

I, E. Linnarsson

Lacontologist to the Evolower of lands

Ji beg you not to give me any other

Litles as "Trofessor" or "Director of the Evolower"]

Sumarsson, Gustaf. Palæon. tologist to the Geological Sumay J. Lweden. bom hovember 24. 1841. Ite was educated I Rara, & in the unversely of upsala. In 1869, be was made Calantologist to the Survey In 1872 & 78he acted as Professor of geology + Immeralogy in Upsala. In 1875 be was appointed Geologist upon the Good! Survey. He was a member of the good. Loc. Stockholm, & assistant Secretary 1872 V 1876. Secretary in 1877. He died 19th Leptember, 1881.

My bear Sir

Loven, Svew, was born in Stockholm in 1809, x make Enlated at upsala, laking the degree of Doctor of Philosophy In the musersity of Lund. Ite conducted the 1" scentific Expedition to Spitz bergen in 1837. He was elected Profeser of Geology & Reeper of the Sivertebrata in the natural Itrstory Museum in Hockholm in 1841. In 1868 the unversity of Lund conferred on him the blegree of M.D. honous causa At was a Corresponding member of the Lust France 1872 Foreign Member Geol. Loc. London 1882 + of the Royal Locuety of London in 1885. He died September 3. 1895

In my letter dates modern in norway 4/8, which I have you have received, I fugue to say that the memoir in Edimoder had been sent you: care of Tengmans borasellers of mention this became it has come to my knowledge that several expies, received at Luymant (per Samson & Wallin of this place) in the month of March, have not been delisen in August last. Lucking forwards for an aurever to my land letter Believe me Stirtifietin yours mad sincerely There's 1/9 76.



University of Sydney,

Sept. 9 = 1591 Hey dear die. although Shave but a Higher personal acquaintance wills Ju, as Sundentand that que are one of the few personal french " Which Capt. Hutton, F.G.S., progerm of Grobogy in Cantalany Coll. N.Z. how has left at home I venture to ask gue to Kniedly sign tu and Certificate unuinating him for the Allowanip of tu Royal Society. asym are aware Ref. Hutton has done - a great deal - ? 5.1.h

Decz 27. 1891.

THE OCTAGON,
S! MARK'S ROAD,
DARLING POINT,
SYDNEY.

My dear Woodward. For will probably have heart on this time that Guthrie has got promotion, us Cleaning to ten agriculture Dept. I am very glad for he is a wie klever t Eleve him very much. HE were have found his former Day withen Small as a Married man.



2 101/ W

colole Strink Elleridge is Hey de fairly comfortable here he has lit of grundling 8 light but I to use attack any comportance to them as & gu, Know he can't selp his liver one I see him fairly often t Whier let him Ease his teelings of SE about tratters in general. how Maursay is wurch as usual to as WE suffered a great loss & Certif the death of Wakinson for File although us a bullians as slobognit he was doing

Extremely useful work twe all liked him bery much. Shope on will take a trip out as gon contemplate Stune ve delighted ispecially if que would come & stan with we. Meep house alone, with Ardian actions and give company would be very pleasure. Suppre grun son is donny well in M. australia, I do us hear were of white is going on there, you see it is some 2000 to 3000 wiles off t we on the liver live with Sylver.



Capt. Hutton, prof. of geology as Chrischwich N.Z. is being Hey de Aux up for ten PE.S. Shope for will do anything guican 8heple for him, he has been called Forshadowed in N.Z. & Heta Ju, 9 Harsh tolliers, but, as gree one of Ruon in done a lot ofgood Which work, our professor of Physiology of Erro is also up but he has done how withing letter ten words Hulton to as ites & if he had & wait Certif a bit he would ust Suffer any injustice. With hund - br. H. Woodward F.R.S. L. alliverside

original work; but account of his long absence in N. Z his claims " for the proposed distinction have been rollier overlooked and Especial! as he has always shown no dispution to advertise what he has done. May Seles ask gue, in his behalf, to forward the certificate to live W. archer, W.R.I.a., hatimal Library of Ireland, with a request on gur. oron park that he will Kindly sign a it & submit is to the Reve Proj. J. Hengleton of This. Coll. Dublin, Who is also personally acquainted Wills Ref. Hutten. The remaining Fellows who know own friend sersonally are Su

andrew Ramsay & whois I have heard too freben to trouber) - Sie a. Grikie = Prof. alex. Gracalite, austruny School. Cambridge, = leve RH. Scott, tu hestrordogical Office. 63. Victoria 8t., S. W. Thank workends that many of the leading geologist and zoologist ? & whom Prof. Hulton is with Known permally would along bull sign -Suchas Prof. Sudd, Dorney, Guather, in and Flower & novincer -Jan suding the certificale through , Sie W. F. D. Servois, Genes. to Tyrdhums. Hants. " Who knew Capt. Hulton in hend gesland. If you are unable to spare ; the time of get the lequisité ique.

Decr 27. 1891.

THE OCTAGON,
S! MARK'S ROAD,
DARLING POINT,
SYDNEY.

My dear Woodward. For will probably have beard by this time test Suthine has 82 promotion, us Chemins to ten rigricultural Dept. I we very glad fre he is a wice kellows t "leve him very much. HE hust have found his former Day willer Small as a married man.

will gow Kindly pan it on to some one the and then deposit is with the amilian Sceretary of the Roy. Societ: Orm very onry to suggest so hund brouble to gue, but the gress distance renders it improvide for we to have the contiguents leturned to une after come signature Thanking que in anticipation Lower very ting Aliverside Prof J. Rupers Jones. 17425.

Professor Archibald Twersidge M.a., J.R.S. \* President Royal Lociety of new South Wales, Professor of Chemistry & hime-- Edlogy in the University of Sydney. Ac is Dean of the Fac-- alty of Sciences since the foundation He originated the Australian Association for the Advancement of Jane, Professor Liversidge published a work on the minerals of h. J. W in 1888, Lis author of many papers & reports on Chemstry + Muneralogy. He is Editor lof. the formal of the Royal Tolichy of new South Wales.

Dect 27. 881.

THE OCTAGON,
S! MARK'S ROAD,
DARLING POINT,
SYDNEY,

Mu dear Woo hound. for will probable, have heard by this time that Guthine has got promotion, as Clemins & ten agriculture Dept. I am very glad for he is a wice fellows t " leve in very much. HE lunch have from a in fromer Day Willes Small as a married man.



Joseph Wilson Lowry, F.R. g.S. Born October yth 1803. died me London June 15th 1849. Only son of Wilson Lowry F.R.S., \* Rebecca Lowey a well known Mineralogist. Mr. Lowny was a celebrated Engraver & an arfent loves of natural Islatory. is first important work as an Engraver was the election of the plates for the Encyclopedea metropo-- letana, he also becuted a series of plates of London Bridge. Mr. Lordry also Engraved an excellent series of hatural History Charlo of British Fossils, an Allas of maps published by the Dispatch hers. - paper, & numerous plates for the lurvey Decades Ve. tc. tc.

39 Robert theet Hawpiter (has) March 19. 1873 My dear Novelvan you hill oblige me & pring My fries mos arnouse an introduction to the Keeper of the approve a Egyption auticulties He is accompanies & by hey at pries In Bank Holmer hite Thomis stoying for a few days. how arnow Whose have I dare tog you know has britten a great deal on Ceramie art, I has been employed to the Graviel of education, He -

39 Robert Shot N.W. N.W. April 11 1878 My dear Woodvar his latin a priend of mine Who brings this rester is a gour inted I very preat merit, L', into i drawing a painte, animal, The brisher to be able to copy tyme in Jook for Carles -I believe on this purpose you hove to opply to the Lecretary ( and kuno who he is, here's ignorance !) have you any obsertion to cine him a letter to that boothy,

39 Prober thees NAV My Dew Harry I helieve tuch a Thin, has hopped once in a year on to, that there was a tunder to when you had not been after for a ticted for the fro for 2. It such should be the Core for heft hunder I kelilin for the unorth boon, but I then are any other opplicants, I come

in & free of me. I real

Very auxions to be oble to Lee Ame of the sloyd breits, Ver out of the gloss Coses, to be able to wisher their, Ah you could mavoretheir In hier I shall be oblej . your very trul Jos. Mhorn 030 Lon Oul × 96 Min Kar ins Eng hla - like hle ma published og - haper & numerous plates for the luring Decades ve. tc. tc.

39 Low Day a pounds work I tritect of they could be My por it They have fund one, the Cet I believe Thy on no bring be home had a sick house Arter here, & by coming Mily Delvolle Into the bos been ill for I heeker i still laid up. I am just he from a frightful cold. lyma your neybout I he Monog house Jan hane



Joseph Wilson Lowry, F.R. g.S. Bom October y 1803. died me London June 15th 1849. Only son of Wilson Lowery F.R.S., & Rebecca Lowry a well known Mineralogist. Pro: Lover of Celebrated Engraver + an arfent lover of natural selstory. is first important work as an Engraver was the election of the plates for the Encyclopedes metropo-· litaria, he also executed a series of plates of London Bridge. Mr. lorby also Engraved an excellent series of hatural Stistory Charts of British Fossels, are Allow of maps published by the Dispatch hers. - haper, & monerous plates for the Livring Decades vc. tc. tc.

he or in the put him, or. Me, de me in broken de Lon you he to it permission to chow there? My fre de is de morle + un ormin, introdu jerim a I shoul' like to. the apry de huin a tervice. He is as I have asked him to take prieno : a gers of his productions like Whom is Then a min to show you dare to that your shedows may never beleft hils he the. a great 1 hos 6 Contoot prayer of your existinte pier Morary Comil

A friend of hime of ford Many years ago the had birmifien fronte him to so to lear, there, bors grante a free ordnifers he had dame, i hope the

& His reciteration is unfortunte L) spologice for burn faut sonstruction

So Probest Sheet 1 11 My Lew Harry I helieve tuch a Thin, has hopped once in a year or to, that there wor a Jundon tot for When you he not been after for a titled forthe fro for 2. It fuch should be the core for heft hunder I kelilin for the un orthe boon, lent of their an any other opplicants, I come in & freeend of mee. I realf

The Right Ston. Lis John Lubbock Bart., In. P., D.C.L., L.D., In.D., J.A.S. born at 29 Baton Place, London April 30 1 1834. Lis folm Lubbock is M. P. for the university of London. He was the first President of the Enstitute of Bankers, & introduced the Country Clearing " & the publication of the Clearing House returns He is a Trustee of the British Museum, & Chairman of the Rondon County Connect. He has written " Prehistoric Times "The Origin of Civilization" The Origin & Metamorphoses of in-- Lets "British wild Flowers." a work on Auto, Bus, a wasps. "The Pleasures of life" "The senses of Animals," "Fifty years of Science;" "Howard, Frut & Leaves "Chapters on Popular natural Stistory" Ye. te. te. Raised to the Peerage moder to little of Lord Arching, January 1900.





Aigh Alms Rainvorough, R.S. C. Rent.

10 Feb 89

Dear 11 orderand

Julian the

andord which I

han begind with pleasure

Believe un

free eng denne,

The my June

High Elms.
HATES.
KENT.

My dear Wood wand

Could you let im

han any parlundan

as to the Bulul Museum

for our Summan Announce

the might for undance

be well to mention about

L'Allan,

The Right How Lir John Lubbock Bart. In. P. D.C.L. U.D., M.D., J.A.S. born at 29 Baton Place, London April 30 1 1834. Lin John Lubbock is M. P. for the university of London. He was the first President of the Enstitute of Bankers, + introduced the · County Clearing " & the publication of the Clearing House returns He is a Trustee of the British Museum, & Chairman of the Rondon County Conneil. He has written " Prelistoric Times "The Origin of Civilization" The Origin & Metamorphoses of in-- Lets "British wild Flowers." a work on Auto, Becs, a wasps. "The Pleasures of life" "The senses of Animals," "Fifty years of leince; "Howers, Frut & Leaves "Chapters on Popular natural Stistory " Ye. te. te. Raised to the Peerage mides & little of Lord Avebrong, January 1900.





Augh Alms Randorough, R.S.C. Rent.

10 Feb 89

Dear 11 orderand

Julian the

andoned which I

han signed with pleasure

Believe in

Bren cere Jenese.

Lord Sumis kellen', Collection. If you could let hu han a few notes by Thung I chaldbe my gled as I am gong away Fuday morning whale my ulum just fo the muling Jam myling Solmshibers

For Charles Lyell, Bart. M. a. D.C.L Il.D., J. A.S., J.S.S. J.S. Ve . te . te. Born at Himmordy in Forfarshire, nov 14 th 1494 died in Harley Street London, Feb 22 md 1843 Ite tus appointed the first Professor of geology at Things College London He is author of numerous papers on Geological Subjects, but his "The Principles of geology" The Elements of geology "The manual of Elementary Jeology" " The Antigen. Ly of man." lir Charles dyell bequeathed the sum of \$2000 with the die of a model to be kalled the "Lycle medal" to the Geological Miety one thurd of the proceeds of the fund to be awarded annually with the medal, the remainder of be given as the Council see fet. The recipient may be of either see, or any country.



53 Harly 81.

Mill you be to good as to look at the unclosed.

Thelly. The larger one I suspect may be Egrena journalis , but the locality in Norfolk is so remarkable in regard to geological parties to lough it in rearch of the heige - I would rather you would try your handI thust at least that a sporting of me of the lateral least with cremelations

te per en la de la Ciar en la Cia 55 24 2 14. jou ce e al . l . l . e d l . e . e . Action fore acknowledging them. To give you son injornation of the transfer in a contract of My new his y to cart, excess y and a cycle of and the " roter " receal ; metodo ya ong in a sole The the second of the second in 298 het Egrana the Varfacer, conference or a server to the muslin " " moditions bet to minute of a six along the Shal mair " call it : " of Cyclas which Mi- Geo. Sower by count identify with ours in ingland will taping any hong one but which is identical with a single meridionelis, Mestak. .... vaine of a Cyclas, sent to me, together with a Cyrena nensis de [ g. 298 ] by Mr. Wigham, from your fluvis-marme Cras of To what tocality to you Norwich. Its I intend to visit Mindesley & Eromer allula - Il must be in the This summer I shall be glad to hear any particu. Norwich crag The . meri-Desuli occurs in the foren. lars you may be able to commence to shoots. time in the weather you the and the same of th 

For Charles Lyell, Bart. M. a. D.C ILD., J.A.S., J.S. J. g.S. te te. te. Born at Kinnordy in Forgarshire nov-14 1794 died in Harley Street London, Flb 22 nd 1845. Ite was appointed the first Profess of geology at Things College London It is buthor of numerous papers on geological bubjects, but his "The Principles of geology" The name of Elementary Jeology" "The Autig Ly of man." lir Charles dyell bequeathed the sum of \$2000 with the die of a m to be called the "Lyels medal" to the geological Society one third of the proceeds of the fund to be awarded annually with the medo the remainder It be given as the Council bee fit. The recepient man be of either see, or any country

will be preserved to as to Than It genes. I ham specimen " Egreno non Afrid wheel me eschively identical -The Manage shell in that while i riquet in Eyelaw tom de marca 1142. Manny of Geology last or 5th Ed : p. 133 Jeg. 118. King wants to grain at a now specifie names Ocisiden Runto. nende from Runton near iro. mer where it whomen in our glacial beds. Do you think it . non species? But the bout while is more pressing is to Cyrena - Vend in word 1, "host but do not send" back it willy to run aus. the risk by the cost In Charlyse 5. Woolung 4

A. J. to provide the day of the contraction of the contra jou ce et al. lende et 1 1 11 de l'e procedure et que to e la commence injer ale as the form " it is a contract of proceed extension of the contract of The state of the country of the country of La fa were prenage long various as a ser to the Let tuint of it all your y Conserve the course of the to the second of process of the second second i elimina proprie de la companya della companya della companya de la companya della companya del in the second of The contract o to decrease on the second second to be a second of the second of at the second of 

53 Harry 11, more 9

inchology you say in a soil.

2 1. 298 that Cyrena flu
minalin or C. consolvina
.inch shalk I call it? so.

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meredinales, husing a vier 
mensis Le [A. 298]

To what tocality Is you

Much - It must be in M.

Norwish was

Descriptions in He foren.

Ter Charles Lyell, Bart. M. a. D.C.L ILD., J. A.S., J.S. J. J.S. Je to . to. Born at Himordy in Forfarshire, nov 14 th 1494 died in Hurley Street London, Feb 22 nd 1875. Ite was appointed the first Professor of geology at Things College London on Geological lubjects, but his Its Important works are The "The Principles of geology" The manual of Elementary Jeology" "The Antique. lir Charles dyell bequeathed the Sum of \$2000 with the die of a model to be called the "Lyele midal" to the Geological Miety one thordof the proceeds of the fund to be awarded annually with the medal, the remainder to be given as the Council see fet. The recepeent may be of either sex, or any country.

it is danne to a it ise er a. He bourne follow is to reast or a time concerned the challock true to their the e is estigace, no and to to to our fine of your : mty which I have already seen with that view manualy the neighbourhood of Norwich and Klorslead lave am hones of mammalia been found also. could with the treshwater shells which you sent I remember deeing at several pour is between itar outh & Cromer small freshwater basins let in as is here and the wipper part of the energies. at suppose that the shelly mart which you send me was derived che sem in to come in the company I beds. 11 Ma my complement, and those

de hard agelt is in the the second with many rank

53 Hand, M. mure 9 Wills

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To what tocality Is you

Much - it must be in the

Norwich was in the form.

Fir Charles Lyell, Bart. M. a. D.C.L ILD., F.A.P., F.S.S. J.g.S. te tc. tc Born at Himmordig in Forfarshire, nov 14 1997 died in Harley Street London, Feb 22 md 1845 of geology at Things College London 122 1 .. or geological lubjects, but his "The Principles of geology" The Elements of geology "The manual Cara lear. of Elementary Jeology" i The Antique. Ly of man." Vir Charles dyell bequeathed the Sum of \$2000 with the die of a model to be called the "Lyels midal" to the Geological Society. One third-of the proceeds of the fund to be awarded annually with the medal, the remainder It be given as the Council see fit. The recipient may be of either see, or any combif.

53 Hanly G. WST

des dem lui I trust the I lant you many 4. of 1855 cm tany a chart just different for that is the Phys. george. . It sea when I order in deing it in your hands but where you much not trust an it in supercell of the 4th vol. of Souly duests this I lest you -In # 4th of 1054 he gan At chart insert in Pampson Lower 8tus of 1855. I am song t

53 Harly ".

My deen his

In your "" must.

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Henry Stacy Marks, A.a.,
born in London Sep 13. 1829.

Studied drawing in Leigh's
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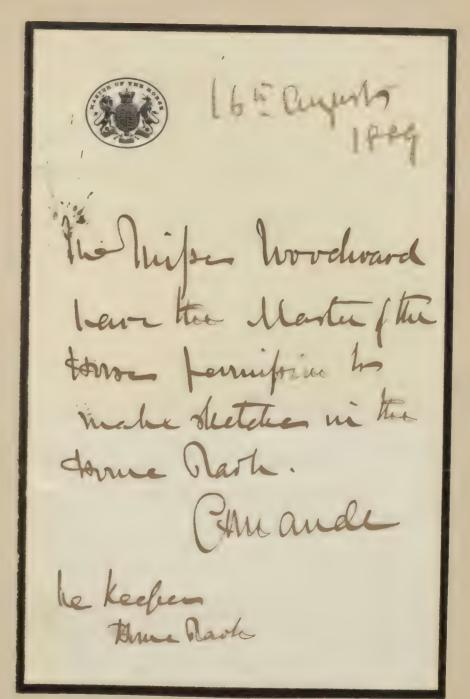
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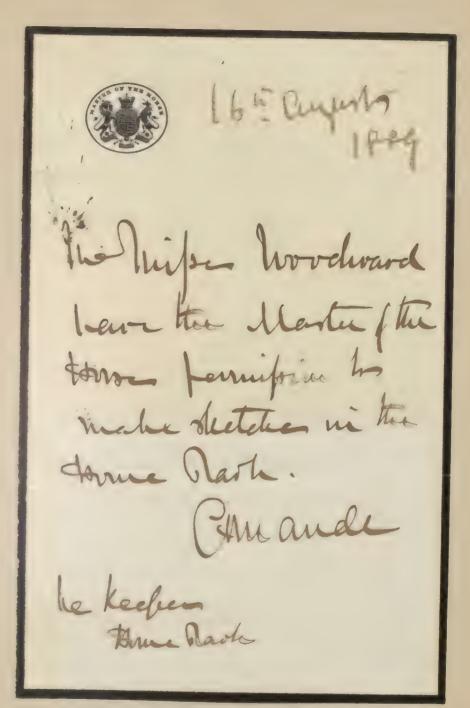


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Professor Othniel Charles Marke Ph.D., II.D., J.S., J.J., J.C. was born at lockpork hero york Och. 29th 1831. Professor of Paldontology in gale College, Salem Mass. Was devoted. Uninself to investigating the Extinct vertebrata of the Rocky mountains since 1868. We has published a large.

PROFESSOR MARSH'S PRIMEVAL TROUPE.
HE SHOWS HIS PERFECT MASTERY OVER THE CERATOPSIDE.

(See Proceedings of the British Association at Leeds.)

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The species he has worked

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ndent and recipient of the Cuvier prize of de France (Académie des Sciences); Associate al Academy of Sciences, Brussels; Correspondof the Royal Bavarian Academy of Sciences, the Royal Academy of Sciences, Bologna; ember of the Royal Danish Academy of openhagen; Honorary member of the Royal emy; Foreign member and recipient of the lal of the Geological Society of London, etc.

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AL TROUPE.

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ember of the Royal Danish Academy of openhagen; Honorary member of the Royal emy; Foreign member and recipient of the al of the Geological Society of London, etc.

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Professor Othniel Charles Mark Ph. D., II. D., F. J. J., IC. was born at dockproth new york Och. 29th 1831. Professor of Paldontology in yale College, Salem Mass. Has devoted. Limself to investigating the Extinct vertebrata of the Rocky mountains since 1868. We has published a large leries of papers in the American foundl of Science & Art, on the new species he has worked out. It is two large works are "on Octontornithes" & "Dinocerata". Died 18th March 1899.

Professor of Paleontology in Yale University.

Vertebrate Paleontologist of the United States Geological Survey.

President of the National Academy of Sciences, 1883-1895; President of the American Association for the Advancement of Science, 1878.

Correspondent and recipient of the Cuvier prize of the Institut de France (Académie des Sciences); Associate of the Royal Academy of Sciences, Brussels; Corresponding member of the Royal Bavarian Academy of Sciences, Munich, of the Royal Academy of Sciences, Bologna; Foreign member of the Royal Danish Academy of Sciences, Copenhagen; Honorary member of the Royal Irish Academy; Foreign member and recipient of the Bigsby medal of the Geological Society of London, etc.



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Journ eier.

Frederick, first Earl of Minus

fer, enagor-general, President

of the Royal Asiatic Society of

Sondon, eldest son of Millian IV

& Mrs Jordan, Born in 1794.

Educated at a private school

at Sunbury & at the Royal

Military College at Marlow;

In Feb. 1807 was appointed

comet in 10 hussars. He went

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FR. Ss., J.S.M., & J. S.

Ve died March 20 th 1842

Admid ha Beaver to Referdagne some exp farders - Mulles 4 jane 1888 John Edward Marr, F.R.P.

J.S. Lecturer in Geology Combrey.

Born in Lancashere 14 fme 1859.

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London 1889. Has published

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hleatland Wintermere Au/ 6 87 Dear S! Woodwaii as Suras away from ( ... hirle , sury i'ver the July number I'the lungryine a few days since. As a letter appears from his fukes - Bearing which requires an account, I enclor a letter which ! should he flad if q. . wild in . sut in the heafas une. Hyping to see you in for health at manthester Believe me "hous finceles



PROF. M. H. N. STORY-MASKELYNE Cricklade

Professor Meron Herbert nevel Stong maskelyne, F.A.S. Bobe at Basset Down House, Swindow 1823. Educated at Wadham Coll Oxford, where he gradualed MA. ins appointed Professer of mm. - cralogy in the Imversity of -Oxford 1856. was Resper of the Humeral Department in the British Innieum from 1857 to 1880 - slure, , a magistrate for the Counties of flonces tershire & holls It as published works on Immeraly Chemis ing & Conjoballography. The Conneil of the geological society of London awarded am the Wollaston Medal in 1893. Se sat as diberal member for Cricklade from 1880 to 1885.

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Harriet martineau, born at howich June 12th 1802 was daughter of a Lilk-manufac--tiver whose ancestors emgrates from France at the period of the Revocation of the Edict of nantes. The evas a evinter on virions subjects her published Ivorks number 52, Reside Contributions to the Westmins. For Review, monthly Repository Daily news, I blee Land we live m. miss markineau spent the later years of her life at-Ambleride & varied the stricties of literature with experiments on her farm The died June 27. 1876.

fan 'y 10 t Dear Sir I am just home, a Thail be clady to begin in a day or two. - s'aux you made out your list of Usidences q ilsidents? of so, I shall be happy to lecuie it. yours truly A Martingan

Benthall Hall.
ne Broseley. March 17.85

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Harriet Martineau, bornat nowich June 12 th 1802 was daughter of a Lilk-manufac--tiver whose ancestors emigrates from France at the period of the Revocation of the Edict of nantes. The was a writer on burious subjects her published works number 52, Reside Contributions to the Westimes. For Review, monthly Repository Daily news, I ble Land we live m. miss martineau spent the later years of her life at-Ambleside & varied the stridies of literature with experiments on her form The died frome 27. 1876.

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V. 30 to 1829. educated Henry Benedict medlicott Mal, F.A.S., F.g.S. Born ang 3. 1829. at Longhrea, Galway, Se-Was Director of the geological turvey of Endia from 1846-He published "A manual of the Geology of Ludia." Five memoirs & twenty- five records of the geologicals Survey of Endia, & several emade papers & pamphlets.

Geological Anruey of Andia, Calcuna, 27 M- 1876.

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Geological Survey of Andia, Calcutta, 27 W- 1876.

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Strabmount, Portabello 24th May. 1856.

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woluable little work which for the interiology of who save; and the wealth of which Lought 6 have so a secularly being time in the Metruf office, and my health is still for from strong. 2 might to have natural Mar Waadwoord's labour in consister with this work bory ago, and 2 am done interched dainy as; but and the im referred engagement of a Newspaper one thing downs onether out of wind; and so, many or interter is suffered to fall unaccomplished. But it is near get too late, and 2 trast to be

Itugh Miller, Geologist, bom In Gromarly 1802. His father deed when he was only 5 years of age. Ite was educated at the parish school, + . became a mason appren - tice at the age of 14 whilst working as a showe cutter me I domburgh he spent his leasure in reading the great Classical writers of English leberature. In 1828 be published a volume of "Poems by a Stone mason. In 1835 he published his " James + Legends of the north of Scotland He was author of "The Old Redsand In Footprints of the Creator " un ansser to Vestiges of the natural Hestory of Creation " + the "Festiming of the Rock." The died in December 1856. afters his death various papers in which he gives an account of visits to the Hebrides & other harts of Scotland were collected I published as a volume, under the fille of The Cruiso of the setrey.

CROSBY HILL.

april 12. 90

RECENT'S PARK N W

SURREY

Den S. Woodward, Jun letter followed me down here where we are storying at present. One can very well understand that Mrs. Fielding should be anxious to be with her husband and more him and of the dreids to give up he present park and come to town we shall be of course most willing to help her in Me way you suggest. althrough we both think it woll not be an easy matter to find just such an occupation as may be suitable. Considering the on

Strabmourt, Pontabello 24th may. 1856.

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Many thanks for the interiology of wall lattle work which you have so knowly work me is and the weath of what Lought to have to an boulearly hing tome in the Witness office, and my health is abill for from strong. 2 might to have natural the Waadwoord's lahoung in consister with this work long ago, and 2 am done intended dainy as; but and the ine teport engagement of a Hewspaper one thing down on after out of wind; and so, many on interter is suffered to fall unaccomplished. But it is nat get to late, and 2 tract to be

and pro hapes too material a point of view it seemes af course a grant file that this fieldin should Three up he present appointment and flow removes a certa. which at all counts enables her to keep her shill at school and to controlent toward Mr support Ach of her husband. This. Müller has written to Mrs. Fielding in the above sens lo. hour kind regard o Lege Delievo m. I were very traceres Hogadelle of & Ste I published as a de the fille of The Cruise of



fewered a from blue is over, to day a kindward in favour of the "Manual" It is a work of much labour and great merit.

I om interested to hear of ong new Cocally for the Breal Shells. Was your newly discovered bed, which you describe as lyong half a mule inbod, in the line of the wally which opens immediately behand the town of Nothony, and trownes the woland? I like to hear futation threws light on the Jeography of fulled during the Pleiotoone ages, and which even towards their class, when But scroled met as one colored but as three, much have been considerably different from what it is now. Jan would have deen in the Witness report of the needing of the Physical fourly

the assauch of the shell deposed labely found nearly a hundred feet over the level of Lach Lomond; and would have recognized, from the last of the ohells given, its Break character. There was reference made in the Paper to or older discoury of sea thele in or color of the dock. There was nothing known of Borel deforts who the discovery was made ( more than thirty slams ago I hut on Edenburgh findle mon tells me he sow one of the thells, & that I was a openion or good keeping of Porter Islandius. As the Island oheli - hed much have been a Boriel one also. as 2 am very deserous to have a day or two's ochloration among the sea whello up the probunter Lack Lamond, my finals summer excursor will be on columner D. U. to the would of this nobletuhe.

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claimed descent from Sir Nicholas Vaux of Harrowden, first Baron Vaux. Henri was his father's twenty-seventh child. During the incarceration of Colonel Edwards in Belgium, on suspicion of aiding the escape of some prisoners, Henri was placed in the care of his eldest brother William, the eminent physiologist. Most reputations may be traced to the fostering of early inclinations, and that of Henri Milne Edwards had its incipience in a scientific analysis he essayed in his boyhood of Buffon's Histoire des Animaux. Educated

#### HENRI MILNE EDWARDS.

BORN OCT. 23, 1800; DIED JULY 29, 1885.

With regret we record in our present issue another loss to Science—the loss of a Naturalist who for more than sixty years devoted himself with unswerving perseverance to the unravelment of the mysterious and wondrous phenomena of animal life: and we shall not be overstepping the limits of our record by preserving in its pages a brief sketch of the work of a man who, while ranking as a chief among zoologists, carried his researches into the domain of palæontology also.

Henri Milne Edwards, though born at Bruges—on October 23, 1800—was of English parentage. His father, Lieutenant-Colonel Edwards, had settled in that city after successful operations as a planter in Jamaica. His mother, Elizabeth Vaux, a second wife,

and oropiment, and but anatomy and comparative physiology, pari passu, thus started, has been since accepted as the only true method of investigation in scientific research. Edwards may be said to have taken the lead in biological inquiry, and to have pioneered the geographical distribution of the lower forms of animal life. In order to arrive at a reasonable understanding of the plan governing the constitution of the animal kingdom he endeavoured to judge of causes by their effects; not that, for a single moment, he says, did he believe himself to be able to divine the mother-thought from which emanated the vast conception of life, nor to determine the route followed by the GREAT AUTHOR in the execution of His work. But Edwards went thus far to declare that, though he found that organisms are not really identical, the first condition imposed upon Nature in the formation of animals appears to be diversity of productions. It was his comprehensive and analytical method of exploitation constantly applied which realized the laws presiding over the organization of animated nature-laws which, put by him on a sure foundation, must be



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understood by naturalists of the future. Edwards's life forms a trophy of laurels won in the prosecution of these views.

In the year 1826 he commenced with J. V. Audouin a series of researches on the anatomy and zoology of animals of the coasts of France, which he visited more particularly to study living forms and to investigate habits; and before the year had expired he gave the result of these researches in a work entitled Littoral de la France, a great part of which, concerned with annelids, was eulogized by Cuvier. The following year, in collaboration with the same naturalist, he published the remarkable studies in experimental physiology: Recherches anatomiques et physiologiques sur la circulation dans les crustacés - a work which obtained in 1828 the prize for physiology given by the Academy of Sciences. By this inquiry, as declared by Cuvier, he enriched the fauna of France with new and curious species, and zoology generally with interesting observations. The results were submitted to the Academy in July and November, 1829, and they form the subject of an elaborate report presented in November, 1830, by Cuvier, Dumeril, and Latreille, in which the first idea of zones of marine life was promulgated. The great principle discovered by these researches was that, the more an animal exhibits in its organs a division of labour, the higher it is in the scale of organization; and they obtained for Edwards the credit of being the founder of the morphology of crustaceous animals. Moreover, his work became the standard authority on the group. Although in 1832 Edwards was elected Professor of Natural History at Lycée Henri IV., and at the Central School of Arts and Manufactures, he produced several popular works on natural history, among which were the Nouveau Formulaire pratique des Hôpitaux and the Eléments d'histoire naturelle of A. Comte. The latter work was reproduced to the extent of a hundred thousand copies, and was reissued in 1851 as a Cours élémentaire de zoologie. The study of marine animals now absorbed Milne Edwards's attention. Astonished at the profusion and richness of forms yet unknown exhibited by the crustaceans in the galleries of the Musée d'Histoire Naturelle, he resolved to write a complete history of these animals. His work, printed in the years 1834-1840, and entitled Histoire Naturelle des Crustacés (3 vols. and atlas), bears on every page evidence of the author's remarkable powers of observation, as does also his article "Crustacea," contributed in this interval to Todd's Cyclopædia. A visit to the coasts of Algeria was undertaken in 1836, and the materials then collected were given to the scientific world in a series of memoirs styled Recherches anatomiques et zoologiques sur les polypes, one marked result being the separation of the polyzoa from the polyps, included together in the group of Radiata founded by Cuvier. The importance, number, and variety of his works had already surprised zoologists, and on the death of Cuvier, in 1838,

Edwards was selected to succeed him in the Academy of Sciences in the Departments of Anatomy and Zoology.

The Notice of his works on this occasion included a résumé of sixty-six original memoirs, apart from numerous articles inserted in the Dictionnaire Classique d'Histoire Naturelle, and other similar publications. In this same year Edwards began the superintendence of the new edition of Lamarck's Histoire Naturelle des non-vertébrés, continued to 1845; and he was now charged with the class of anatomy and comparative physiology until then under the direction of Geoffroy Saint-Hilaire. These appointments, however, do not appear to have interfered with the progress of his special pursuits. In 1839, after further researches on the Coasts of la Manche, etc., continued the year following at Nice, he published, in a series of memoirs, the facts which he had gathered concerning the embryology and comparative anatomy of the Ascidians. Herein he gave the first definite account of the mode of reproduction by budding. The development of beings which before had never been utilized in the comparative study of animals appeared to him to constitute a subject of the highest value; and his speculations show how great a part embryology plays in zoological science. In 1841 he succeeded his friend J. V. Audouin as Professor of Entomology at the Museum of the Faculty of Sciences. Bent on making progress with the study of marine animals, Edwards conceived the idea of dredging up specimens from the bottom of the sea, particularly at great depths, and of bringing to light a submarine world of animal existence then unknown. The appliances for dredging were at that time of a primitive description, and he did not hesitate to risk his life in diving operations. This happened on the coast of Sicily, during a voyage undertaken in company with A. de Quatrefages and E. Blanchard. The results were considerable, and were explained in the work, Recherches anatomiques et zoologiques faites pendant un voyage sur les côtes de la Sicile. They form a splendid quarto volume of over 850 pages, illustrated with nearly 100 coloured plates. The work is for the most part a corrected report of the series of memoirs contributed to the Annales des sciences naturelles. On his return in 1844, Edwards was nominated Professor of Comparative Physiology to the Faculty of Sciences of Paris, and five years later he undertook the functions of Dean of the Sorbonne, an office which he held to the day of his death. The superintendence of the removal of the laboratories was a task which Milne Edwards successfully accomplished, to the great advantage of future students. In April, 1847, he was created an officer of the Legion of Honour, and was promoted, August 31, 1861, to the rank of a commander.

Jointly with Jules Haime, Milne Edwards published in the Palæontographical Society's volumes for 1850-54 a Monograph of the British Fossil Corals, and the next year a Monographie des Polypiers fossiles, both subjects being treated in a masterly manner, and forming a most solid contribution to palæontological knowledge. The year succeeding Edwards produced another long memoir—on the Morphology of Crustacea; and very shortly after his work on

This work was also translated into English by Dr. R. Knox (London 1856) and had a very large sale in this country. Many other copies of the work not and American literary contrabandists."—(Knox).

## ALPHONSE MILNE-EDWARDS

BORN OCTOBER 13, 1835.

DIED APRIL 21, 1900.

By the unexpected death of Milne-Edwards a gap has been created in the foremost ranks of noted palæontologists and zoologists that it will be hard to fill; indeed, so long has his familiar name been a household word with us that it is still impossible to realize our loss.

Sprung from English stock, being the grandson of Bryan Edwards, M.P., a West Indian planter who settled at Bruges, Alphonse Milne-Edwards, son of the celebrated Henri Milne Edwards (1800-1885), was born in Paris, 13th October, 1835, and in his career followed

closely in his father's footsteps.

He took his degree of Doctor of Medicine in 1860 and of Science in 1861; became an Assistant Naturalist at the Muséum d'Histoire Naturelle in 1862; Assistant Professor at the École supérieure de Pharmacie in 1864, and Professor there in 1865; Assistant Professor of the Zoological Laboratory of the École des Hautes Études in 1869, and Director in 1880; he was also appointed Professor of Zoology at the Muséum d'Histoire Naturelle in 1876, and finally its Director in 1892. He was elected a member of the Academy of Science, Section Anatomy and Zoology, in 1879, and of the Academy of Medicine in 1885. He was elected a foreign member of the Zoological Society of London in 1876, and in 1882 a Foreign Correspondent of the Geological Society.

His earliest papers were physiological, but he next turned to the study of Crustacea, both recent and fossil, while in 1863 he published his first paper on fossil birds, entitled "Mémoir sur la distribution géologique des Oiseaux fossiles." Three years later the first part of his monumental work, "Recherches anatomiques et paléontologiques pour servir à l'histoire des Oiseaux fossiles de la France," was issued, a work which when completed in 1871 extended to two volumes of text and two of plates. In it he showed the possibility of forming a classification of birds by means of their "long bones." Concurrently there appeared (1866-73) his "Recherches sur la Faune ornithologique eteinte des Îles

Mascareigues et de Madagascar."

While these are the more important of his palsontological works they by no means represent a tithe of his scientific writings. He was associated with his father in bringing out the "Recherches pour servir à l'histoire naturelle des Mammifères" (1868-74), and with Grandidier in the volumes (1878-81) on Birds in the latter's "Histoire physique, naturelle, et politique de Madagascar." He was also keenly interested in the question of the distribution of animal life at great deaths in the ocean, and it was at his instance and. under his superintendence that the submarine surveying vessels the "Travailleur" and "Talisman" were sent out by the French Government; his work receiving acknowledgement in 1884 in the award of the gold medal of the Société Géographique de France. Of minor papers on zoological and palsontological subjects contributed to various scientific journals and the proceedings of different learned societies, he must be credited with upwards of one hundred and fifty, dealing with nearly every group of the animal kingdom.

This busy and useful life was brought to a close after a short illness on 21st April, 1900. Alphonse Milne-Edwards will be as sincerely mourned by us as by his own countrymen, for the man of science belongs to the world.

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the Tendances de la Nature, in which he gave forth his opinions on the vitality of different parts of organisms. We have additional evidence of the versatility of his genius about this period in further Recherches sur les polypiers (eight memoirs, with Haime, 1848). a paper on the mœurs de divers insects xylophages (1848), and a report on pisciculture (1850). Elected an Associate, in 1854, of the Academy of Medicine, in 1856 he visited London to receive from the Royal Society the Copley Medal, in presenting which the President declared that it would be a difficult task to name any one existing naturalist who had prosecuted his researches with success over so wide a range of investigation. On the death of Haime, in that same year, Edwards completed the Histoire naturelle des Coralliaires ou Polypes, 3 vols. and atlas. On the 28th May, 1862, he succeeded Isidore Geoffroy Saint-Hilaire as Professor of Zoology at the Musée, of which shortly after he became Assistant-Director. In 1867 appeared his Rapport sur les progrès récents des sciences zoologiques en France. The Lecons sur la physiologie et l'anatomie de l'Homme et des Animaux were published between 1857 and 1881, in fourteen volumes. They were dedicated to his relative M. J. Dumas, and will always possess importance for the student from the immense amount of details, accompanied by copious references to the labours of others, which they contain in limited compass. On the appearance of the last volume, a portrait-medal of the author was struck by his pupils and admirers; at the same time the Society of Sciences of Holland designated him as the recipient of the Boerhave Medal, given for the most valuable works in Natural History. Various learned societies had enrolled Edwards among their members. Crowned with the honour and success of a long life devoted to the advancement of science, Henri Milne Edwards died at Paris on the 29th of July of the present year. The wide range of his knowledge of zoology has rarely been equalled; and it must be borne in mind that he laboured when the study of zoology was scarcely settled on a scientific basis. A glance at the Royal Society's catalogue of papers to 1868 will at once be convincing in regard to his work; 106 papers are placed to his credit alone, while thirty appear in connection with other well-known men of science. Generation, changes of form, mode of growth, mechanism of respiration, forms of blood-corpuscles, the nervous system, circulatory apparatus, geographical distribution, are among the subjects treated in the side-walks as we may term them of his career.

Personally, Milne Edwards was of a delicate constitution, and the interest excited by his discoveries may be said to have prolonged his life to the advanced age he reached. He was a good linguist, his English and French being perfect. His love for France and its people displayed itself in many instances of bravery and self-sacrifice during the cholera epidemic of 1832 and the Franco-German war which broke out in 1870. His rare qualities and generous nature will be missed by many a student and confrère, while the scientific world will mourn the loss of the remarkable powers of elucidation and classification evidenced by his life-long labours.—T.N.

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Sprung from English stock, being the grandson of Bryan Edwards, M.P., a West Indian planter who settled at Bruges, Alphonse Milne-Edwards, son of the celebrated Henri Milne Edwards (1800–1885), was born in Paris, 13th October, 1835, and in his career followed

closely in his father's footsteps.

He took his degree of Doctor of Medicine in 1860 and of Science in 1861; became an Assistant Naturalist at the Muséum d'Histoire Naturelle in 1862; Assistant Professor at the École supérieure de Pharmacie in 1864, and Professor there in 1865; Assistant Professor of the Zoological Laboratory of the École des Hautes Études in 1869, and Director in 1880; he was also appointed Professor of Zoology at the Muséum d'Histoire Naturelle in 1876, and finally its Director in 1892. He was elected a member of the Academy of Science, Section Anatomy and Zoology, in 1879, and of the Academy of Medicine in 1885. He was elected a foreign member of the Zoological Society of London in 1876, and in 1882 a Foreign Correspondent of the Geological Society.

His earliest papers were physiological, but he next turned to the study of Crustacea, both recent and fossil, while in 1863 he published his first paper on fossil birds, entitled "Mémoir sur la distribution géologique des Oiseaux fossiles." Three years later the first part of his monumental work, "Recherches anatomiques et paléontologiques pour servir à l'histoire des Oiseaux fossiles de la France," was issued, a work which when completed in 1871 extended to two volumes of text and two of plates. In it he showed the possibility of forming a classification of birds by means of their "long bones." Concurrently there appeared (1866-73) his "Recherches sur la Faune ornithologique eteinte des Îles-

Mascareigues et de Madagascar."

While these are the more important of his paleontological works they by no means represent a tithe of his scientific writings. He was associated with his father in bringing out the "Recherches pour servir à l'histoire naturelle des Mammifères" (1868-74), and with Grandidier in the volumes (1878-81) on Birds in the latter's "Histoire physique, naturelle, et politique de Madagascar." He was also keenly interested in the question of the distribution of animal life at great deaths in the ocean, and it was at his instance and under his superintendence that the submarine surveying vessels the "Travailleur" and "Talisman" were sent out by the French Government; his work receiving acknowledgement in 1884 in the award of the gold medal of the Société Géographique de France. Of minor papers on zoological and palæontological subjects contributed to various scientific journals and the proceedings of different learned societies, he must be credited with upwards of one hundred and fifty, dealing with nearly every group of the animal kingdom.

This busy and useful life was brought to a close after a short illness on 21st April, 1900. Alphonse Milne-Edwards will be as sincerely mourned by us as by his own countrymen, for the

man of science belongs to the world.

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[Extracted from the Geological Magazine, Decade III. Vol. III., No. 2, p. 95, February, 1886.]

## PROF. JOHN MORRIS, M.A. CANTAB., F.G.S., ETC. BORN FEBRUARY 19th, 1810; DIED JANUARY 7th, 1886.

[For more than twenty years one of the Editors of this MAGAZINE.]

The new year has gathered into its earliest garner another ripened human intellect, whose influence and usefulness in the Geological world for nearly 50 years have done much to promote in others a love for our science to which that life was devoted.

Professor John Morris was born in the very dawn of

accurate Geological thought in this country.

Eight years before his birth, in the spring of 1802, Playfair had published his celebrated "Illustrations of the Huttonian Theory." In 1807, a handful of scientific men met together and founded the Geological Society of London; and from 1799 to 1815 William Smith (better known as "the Father of English Geology") was plodding over England, with quiet unobtrusive labour, preparing, unaided, his work, entitled "Strata Identified by Means of their Organized Fossils," and his great "Map of the Strata of England and Wales."

In June, 1812, James Sowerby commenced to publish (in about bi-monthly parts of 5 plates each) his "Mineral

Conchology of Great Britain."

Such was the condition of the literature of our science in England early in this century. There were no text-books for young geologists in those days, and the science of Geology was no easy path to pursue; yet John Morris had already taken up the study of rocks, minerals, and fossils, and commenced to collect materials for his "Catalogue of British Fossils," before the first edition of Lyell's "Elements" had been printed, and as early as the first appearance of his "Principles of Geology," a little book of one volume 8vo., which saw the light in January, 1830, whilst Morris, then twenty years of age, was engaged in business in Kensington as a Pharmaceutical Chemist.

The modest precursor to Morris's Catalogue was printed at Norwich, and designated "A Synoptical Table of British Organic Remains, in which all the edited British Fossils are systematically and stratigraphically arranged in accordance with the views of the geologists of the present day, and a reference given to their localities, strata, and engraved figures, by Samuel Woodward." This little book of fifty pages, which appeared in 1830, gave all that was known at that date con-

cerning our British Fossils.

Morris published the first Edition of his Catalogue in 1845, but he had issued preliminary notes, section by section, in the "Magazine of Natural History" from 1839 to that date.

The second edition appeared in 1854; but though constantly urged by his friends to do so, and incited by the awards of the Geological Society, he never achieved a third edition.

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From 1854 to 1877 Prof. Morris held the Chair of Geology in University College, and during that period he delivered no fewer than 1100 lectures to his class, besides directing field-excursions, and giving demonstrations in the Museum.

Of the details of his life and work and the well-merited honours that have been conferred upon him, a full account will be found in the GEOLOGICAL MAGAZINE, Decade II. Vol. V. November 1878, pp. 481-487, accompanied by a portrait.

Like all men of great mind, Prof. Morris had his peculiar traits of character; but he will be remembered by one thing, more than any other, namely, his extreme readiness to impart scientific information to those around him out of the vast (one might almost say inexhaustible) stores of knowledge which he had for years accumulated in his retentive mind, and yet could retail again most accurately when needed, and even recall the very place in the work from whence he had culled it.

Professor Morris was essentially a 'young-hearted' man with his friends, and especially so when out with his class, or with the Members of the Geologists' Association. Indeed, one has to compare events and dates in order to show that he was in reality a survivor in our time from the prehistoric age of geology. Morris was in fact the contemporary of Mantell, Buckland, Fitton, Searles V. Wood, Bowerbank, Scrope, Owen, Murchison, and Lyell; and of his earlier personal friends amongst the great geologists-alas! now few indeed in number -only Prof. Prestwich, F.R.S., of Oxford, remains.

It is not without interest to record that almost the last piece of work in which he engaged was to arrange, compare, and verify the original specimens of the "William Smith Collection," preserved in the Geological Department of the British Museum, the first collection formed with a view to prove that strata could be identified by their fossil contents.

Ill-health has prevented Prof. Morris for the past two years from attending scientific meetings or visiting his friends, as in days of yore; but up to the last he was cheered by nothing so much as a visit from a geological friend and a chat about some new geological book. And whenever his health permitted, he amused himself by continuing the preparation and revision of the lists of fossils for the third edition of his Catalogue.

He died on the 7th January from heart-disease, and was interred on the 13th at Kensal Green Cemetery, where many of his fellow-geologists assembled to do honour to so veteran

It will gratify the admirers of Professor Morris to learn that it is the wish of his friends and family to raise a suitable and lasting Monument to his memory, and that this memorial shall take the form of a Third Edition of Morris's Catalogue Medialorrisan I do not think I Can come to night, thanks tren for asking me - 11. must ask ym 6 finally revise to prof. I think the word "Oxiom", rali he beller than insi-

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John Murray F.R.S., S.B., D.S. Ph & , rationalist; member of in Frshery Board for Scotland, Born in Canada 3 march 1841. Educated in the Public School, don lon, on himo, Victoria College. week ino, Stight School Shirts of Scott A betimberghe Amount by Hus reed Thetal from vorious Loculus at home & abroad. broiled Spitzbergen & Artic regions as moduralist on board a wholer 1868; one of the naturalists on A.M.S., "Challenger during explor. - ation of physical & biological 1842- 76. 19 assistant of Staff appointed to undertake public - ation of Scientific Results of the "Chollenger Expedition 1876-82. (He had been one of line Inturalists on bound during the inplanation.) Editor 1882. York part in the "Tribon" & "Thight grant" explorations in Faroc, Channel, & other deep . esa & tracisuse expeditions.

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John Murry FRS, SIB, DS.C Ph. D.; naturalist; member of the Fishery Board for Scotland, Born in Canada 3 march 1841. Educated in the Public School, London, Ontario, Victoria College Historio, Stigh School Stirling Fest! & Edinburgh Immousity . Has read Inedal from various Locuties at home & abroad. branted Spitzbergen & Artic regions as naturalist on board a wholer 1868; one of the naturalists on A.M.S., "Challenger" during explor ation of physical & biological Conditions of freet Ocen Basins 1842-76. 10 assistant of Staff appointed to undertake public - ation of Scientific Results of the Challenger Expedition 1876-82. The had been one of the haturalists on board during the Exploration.) Editor 1882. Took part in the Thetore & Thught grund caplosutions in Faroc, Channel, & other deep-lear I marine expeditions.

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Peterborough Diocese 1881.



PROF. L. C. MIALL, F. R. S., F. L. S. PROF. L. C. MIALL.

Louis C. Miall, F.R.S., F.L.S., F.G.S., Professor of Biology in the Yorkshire College, Leeds, was born in Bradford in 1842. His own description of his life is "quite uneventful." He has described the structure of a good many animals, recently the fossil, large and small, among others labyrinthodonts, elephant, and many insects. He has paid special attention to life histories, and to the external circumstances which affect the life of animals, and, among the rest, has tried to show how important is the surface tension of water to many aquatic animals and plants. Among more popular writings he has published "Object Lessons from Nature," "The Natural History of Aquatic Animals," etc. He has paid attention to methods of teaching, and has just published a book on this subject, "Thirty Years of Teaching." He has lived almost all his life in York-

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Initchenson, Bt. Rev. John

D.G.L., D.D. J.J., Master of Pembro.

Re College Veford & Canon of

Glove cester since Jeb. 1899. Fellow

of St. Chad's Denstone. Born at

Dirham 23's Lep. 1833. Educated

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MAGDALEN COLLEGE,

OXFORD

may 20/97

Dear or Word want

maskelyne wants a few of
his friend - your, thughes, Hetcher,
myself and two more - to go down to
Barret Down as June 4th and celebrate
the reception of his portrait by lunching
with him that day, and sleeping that
might.

Hould this suit you?

Horo — it we have an organising

Committee meeting of Section C, But.

An. next Wed. or Fri, Could you come?

yours sincerely

Admisers.



C. Malaring



leter Marion



M. Valerian von Möller, C. Engineer Moscow
Outher of memoir upon the
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Robe M. Andrew



